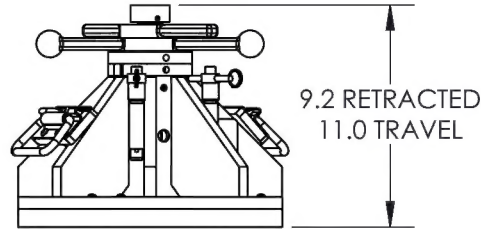
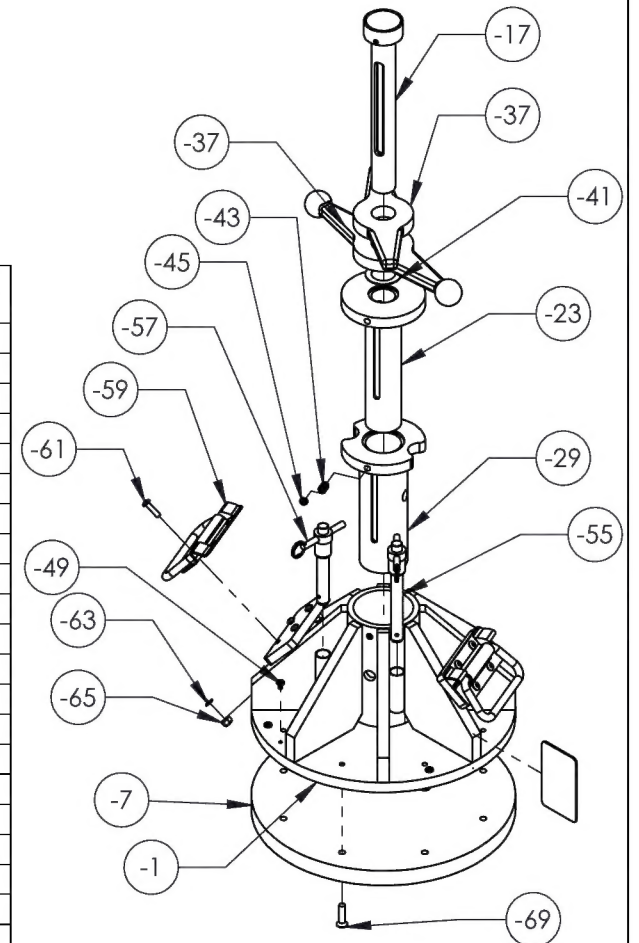


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REVISIONS			
REV	DESCRIPTION	DATE	INITIAL
A	ADDED SHT 23, 1st ARTICLE SHEET. SHT 22, CHANGED WEIGHT FROM 3500 TO 1800	2/24/2011	JAG



ASSY QTY	ASSY QTY	ASSY QTY	ASSY QTY	B/O	Part #	UNIT QTY	Description	Material	B/O INFORMATION OR SPECIFICATIONS	PG.
			X		-1	1	JACK ASSY			2
			1		-3		SLEEVE	CARBON STEEL DOM TUBE	2-1/2 OD X 2.0 ID X 5-7/8	3
		X	1		-5		JACK WELDMENT			4
		1			-7		BASE	6061	Ø11-1/8 X 1/2	5
		8			-9		GUSSET	6061	1/2 X 5-1/8 X 4-1/8	6
		1			-11		SHANK	6061	Ø3.0 X 2-1/2 X 5-5/8	7
		2			-13		HANDLE PLATE	6061	3/8 X 4.0 X 2.0	8
		2			-15		BALL LOCK RECIEVER	6061	Ø5/8 X .035 WALL X 2.0	9
	X				-17	1	POST ASSY			10
	1				-19		POST MOD	S.S.	ACME 1-6 MCMaster-CARR #95061A844(NEEDS MODIFIED)	11
	1				-21		ADAPTER CUP	S.S. 303	Ø1-3/4 x 7/8	12
X					-23	1	INSERT 1 WELDMENT			13
	1				-25		INSERT 1	CARBON STEEL DOM TUBE	2.0 OD X 1.5 ID X 6-5/8	14
	1				-27		FLANGE 1	1018	.50 X Ø3-5/8	15
X					-29	1	INSERT2 WELDMENT			16
1					-31		INSERT2	CARBON STEEL DOM TUBE	Ø2.0 OD X 1-1/2 ID X 6-1/8	17
1					-33		FLANGE2	1018	.50 X Ø3-5/8	18
					-35	1	PLYWOOD BASE	MARINE PLYWOOD	3/4 X Ø11.0 SK393M44123-7 (NEEDS MODIFIED)	19
					-37	1	JACK HANDLE MOD	CAST IRON	MCMaster-CARR #92428A140 (NEEDS MODIFIED)	20
					-39	1	LOCKING HANDLE MOD	CAST IRON	MCMaster-CARR #92428A140 (NEEDS MODIFIED)	21
				B/O	-41	1	THRUST WASHER	S.S.	Ø1-1/2 X Ø1.0 X .03 MCMaster-CARR #97022A505	1
				B/O	-43	3	SET SCREW	S.S.	5/16-18 MCMaster-CARR #92845A615	1
				B/O	-45	3	LOCK SCREW	S.S.	5/16-18 MCMaster-CARR #91318A510	1
				B/O	-47	3	LANYARD	S.S.	12" W TAB MCMaster-CARR #30345T24	NS
				B/O	-49	3	MACHINE SCREW	S.S.	8-32 x 1/4 MCMaster-CARR #91735A190	1
				B/O	-51	1	REMOVE BEFORE FLIGHT	NYLON	NAS 1756-12	NS
					-53	1	PLACARD	ALUMINUM	USE RB41009 WITH T/N, S/N, AND LOAD SPEC.	1
				B/O	-55	1	BALL LOCK PIN	S.S.	3in MCMaster-CARR #90980A550	1
				B/O	-57	1	BALL LOCK PIN	S.S.	2in MCMaster-CARR #90980A540	1
				B/O	-59	2	HANDLE	STEEL	REID #NSH-50	1
				B/O	-61	8	SOCKET CAP SCREW	S.S.	10-32 X 3/4 MCMaster-CARR #98164A182	1
				B/O	-63	8	WASHER	S.S.	#10 MCMaster-CARR #90945A740	1
				B/O	-65	8	LOCK NUT	S.S.	10-32 MCMaster-CARR #90715A115	1
				B/O	-67	1	SPRING PIN	S.S.	3/16 X 1-1/2 MCMaster-CARR #92383A734	1
				B/O	-69	8	MACHINE SCREW	S.S.	1/4-20 X 1 MCMaster-CARR #91771A543	1

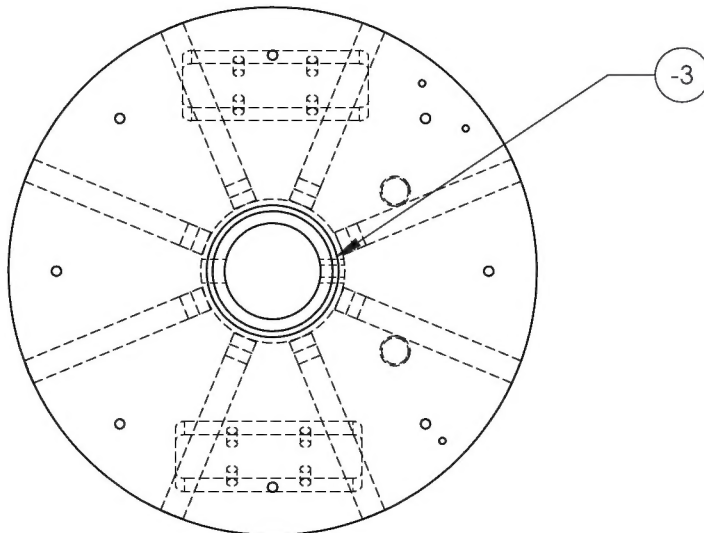
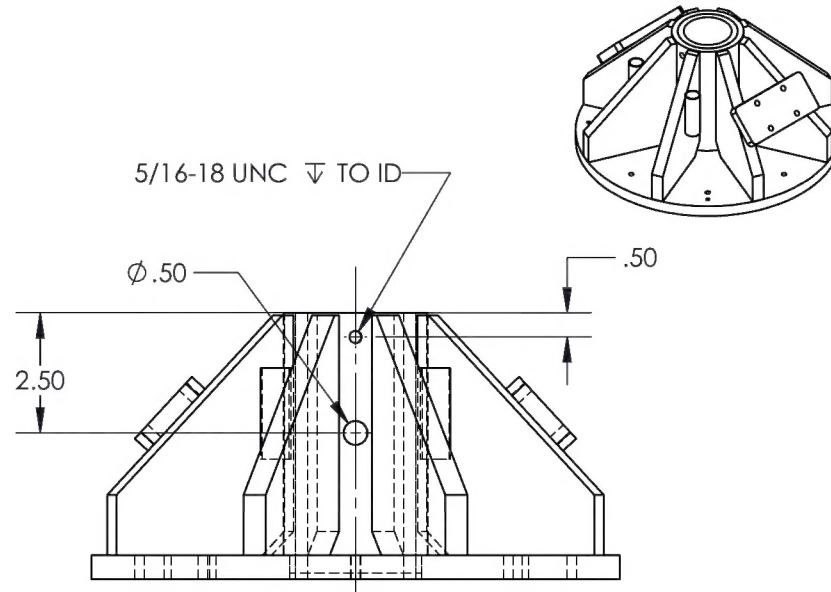
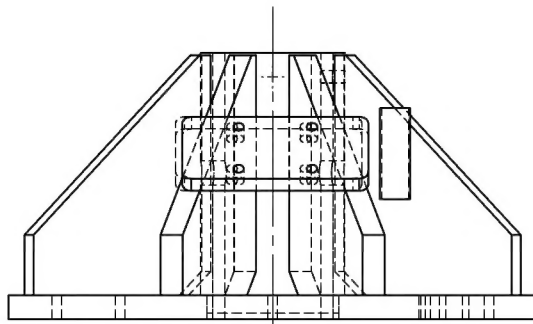


RED BARN MACHINE

TITLE		AFT AIR TRANSPORT SHORING JACK	
DWG NO.		RBT18403	REV A
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		DRAWN BY: GILBERT	
TOLERANCES ON:		APPROVED <i>D Weil</i>	
DECIMALS		HEAT	
.XXX ± .005		TREAT	
.XX ± .01		FINISH	
.X ± .1		SPEC	
FRACTIONS ± 1/32		USED ON MODEL	
ANGLES ±.5°		FIRE SCOUT MQ-8B	
UNLESS OTHERWISE SPECIFIED		SCALE 1:8	
1. BREAK ALL SHARP EDGES		DATE 1/17/2011	
.015 x 45° PR .015 R		SHEET 1 OF 23	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING			

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REVISIONS			
REV	DESCRIPTION	DATE	INITIAL



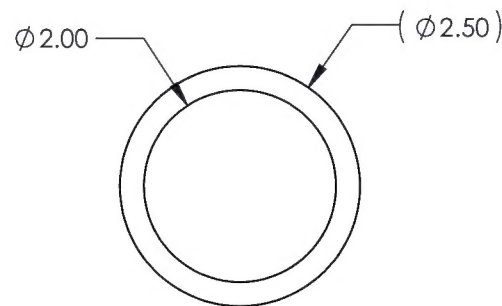
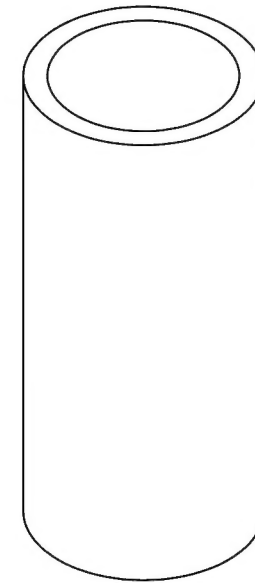
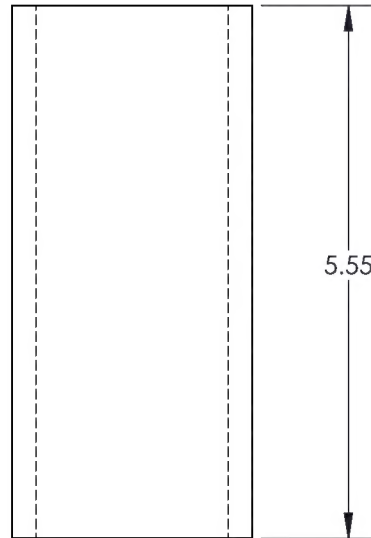
-1
JACK ASSY

NOTE:
INSERT SLEEVE (-3) BEFORE DRILLING 2 HOLES.

RED BARN MACHINE	
TITLE AFT AIR TRANSPORT SHORING JACK	
DWG NO. RBT18403-1	REV A
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
TOLERANCES ON: DECIMALS .XXX ± .005 .XX ± .01 .X ± .1	
FRACTIONS ± 1/32 ANGLES ± 5°	
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
DRAWN BY: GILBERT APPROVED: <i>D Weil</i> HEAT TREAT FINISH SPEC	
USED ON MODEL FIRE SCOUT MQ-8B	
SCALE 1:4	DATE 1/17/2011
SHEET 2 OF 23	


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REVISIONS			
REV	DESCRIPTION	DATE	INITIAL
APPROVED			



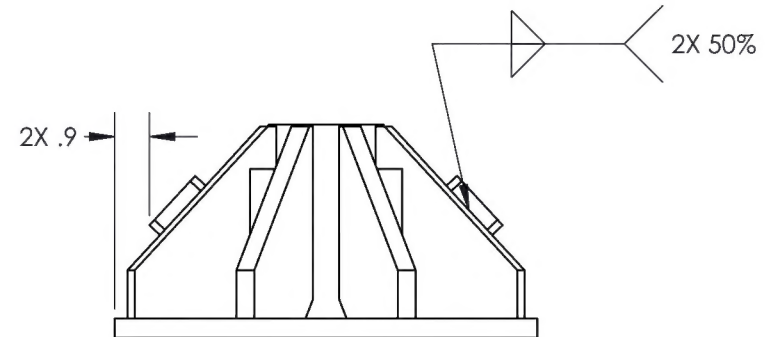
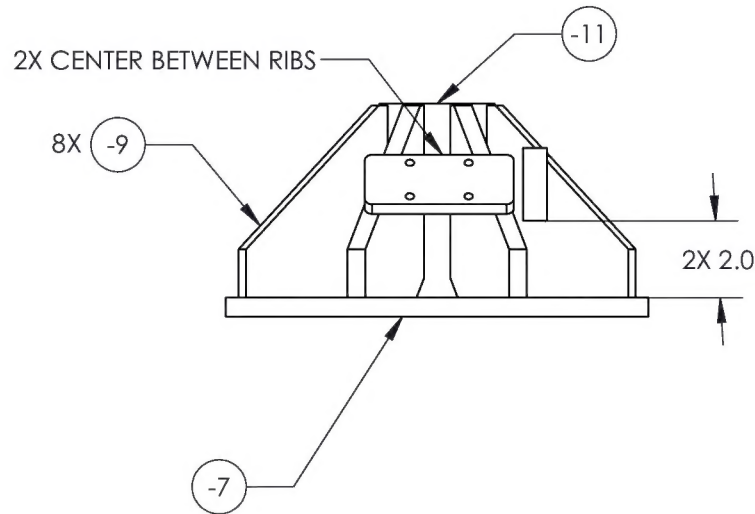
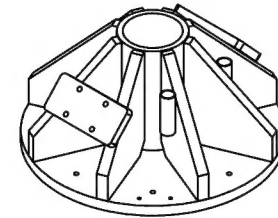
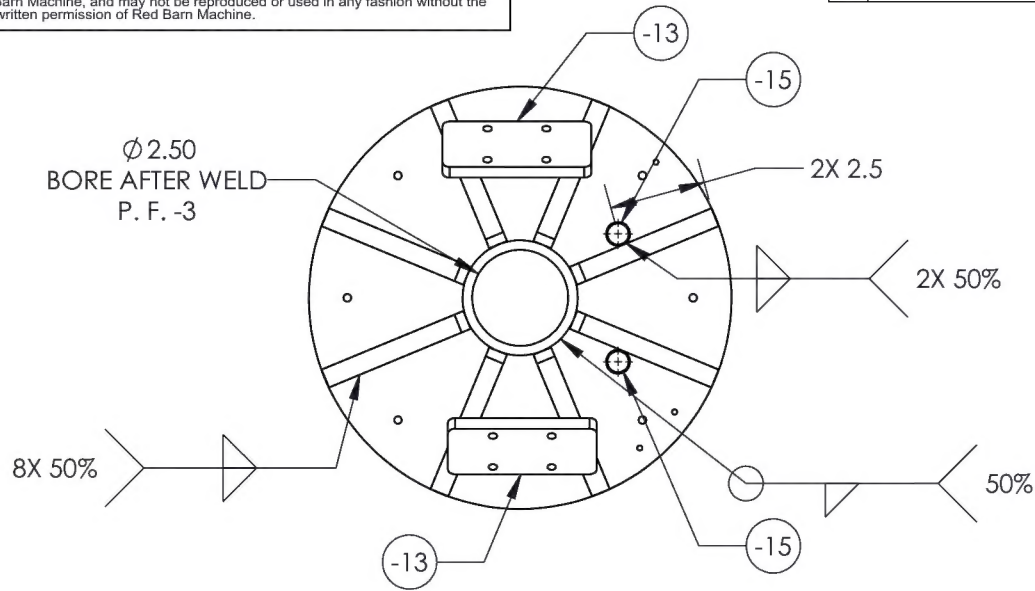
③

SLEEVE

 RED BARN MACHINE	
TITLE AFT AIR TRANSPORT SHORING JACK	
DWG NO. RBT18403-3	REV A
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON: DECIMALS .XXX ± .005 .XX ± .01 .X ± .1 FRACTIONS ± 1/32 ANGLES ± 5°	DRAWN BY: GILBERT APPROVED: <i>D Weil</i> HEAT TREAT FINISH SPEC
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	USED ON MODEL FIRE SCOUT MQ-8B
SCALE 1:2	DATE 1/17/2011
SHEET 3 OF 23	

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REV	DESCRIPTION	DATE	INITIAL
			APPROVED



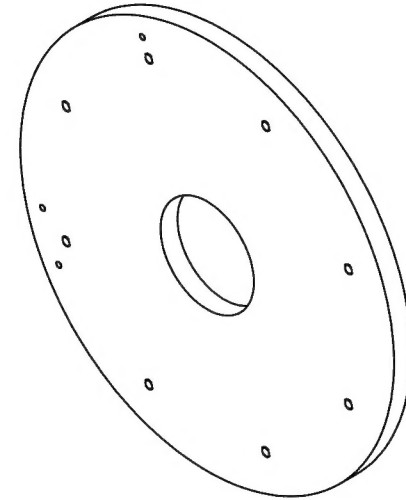
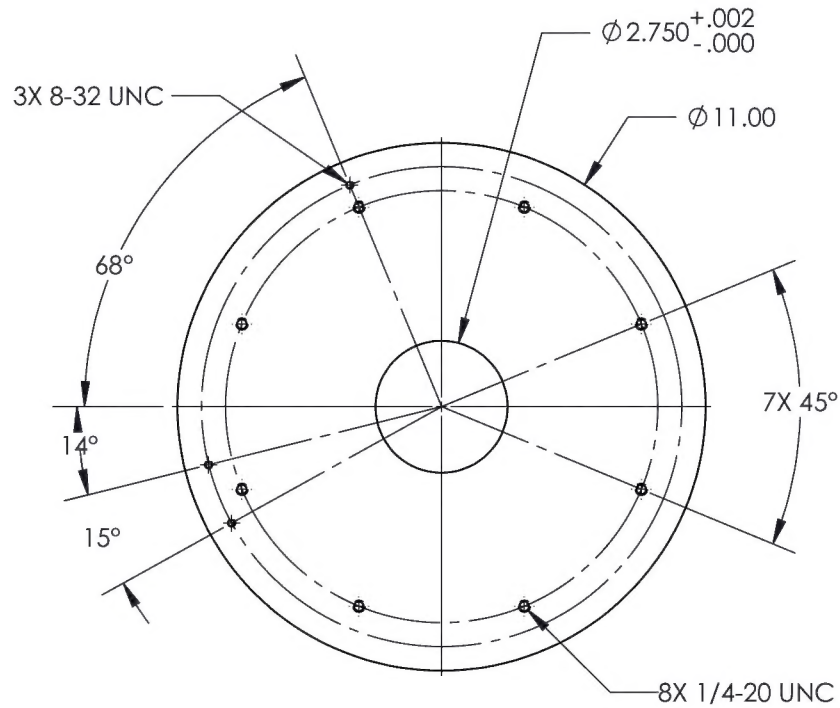
(5)
JACK WELDMENT

RED BARN MACHINE	
TITLE AFT AIR TRANSPORT SHORING JACK	
DWG NO. RBT18403-5	REV A
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
TOLERANCES ON: DECIMALS .XXX ± .005 .XX ± .01 .X ± .1	
FRACTIONS ± 1/32 ANGLES ± 5°	
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
SCALE 1:5	DATE 1/17/2011
SHEET 4 OF 23	

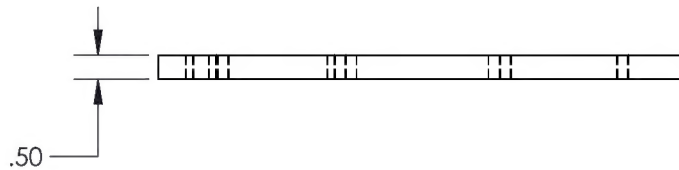
DRAWN BY: GILBERT
APPROVED <i>D Weil</i>
HEAT TREAT FINISH POWDER COAT RED
SPEC RAL 3020
USED ON MODEL FIRE SCOUT MQ-8B


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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED



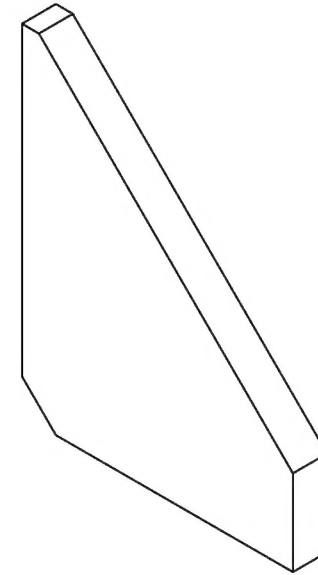
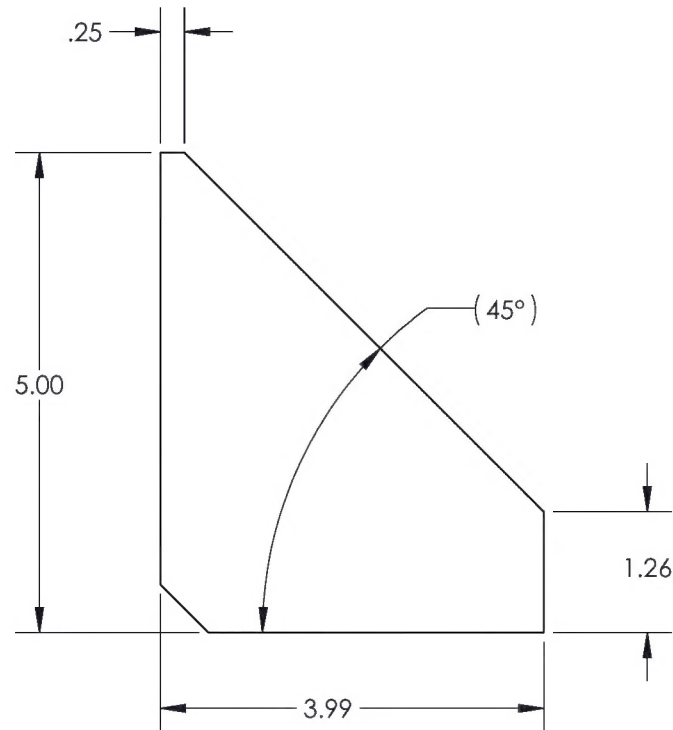
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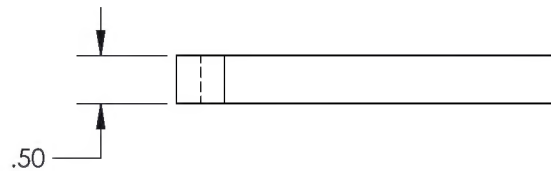
 RED BARN MACHINE	
TITLE AFT AIR TRANSPORT SHORING JACK	
DWG NO. RBT18403-7	REV A
UNLESS OTHERWISE SPECIFIED TOLERANCES ON: DECIMALS .XXX ± .005 .XX ± .01 .X ± .1 FRACTIONS ± 1/32 ANGLES ± 5°	DRAWN BY: GILBERT APPROVED: <i>D Weil</i> HEAT TREAT: FINISH: SPEC:
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	USED ON MODEL FIRESOULT MQ-8B
SCALE 1:4	DATE 1/17/2011
SHEET 5 OF 23	


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REV	DESCRIPTION	DATE	INITIAL
			APPROVED



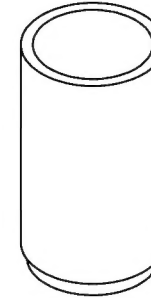
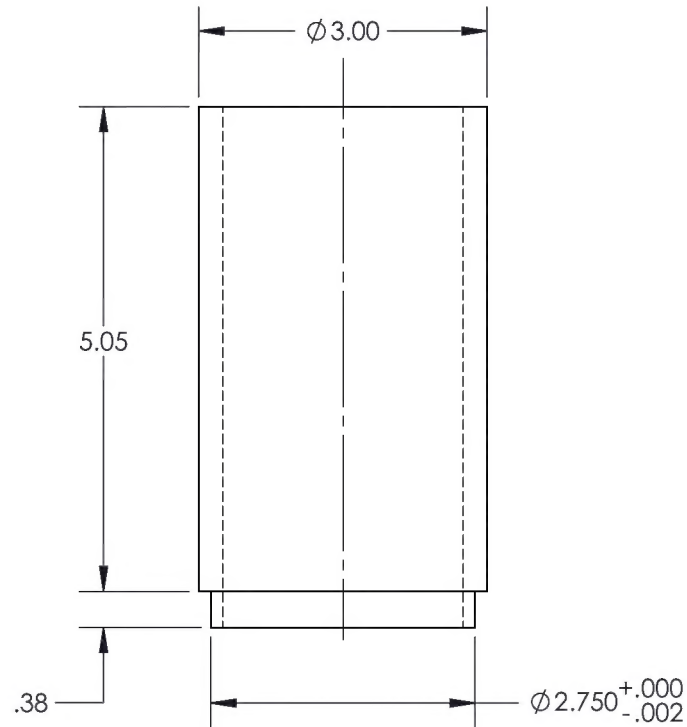
(-9)
GUSSET



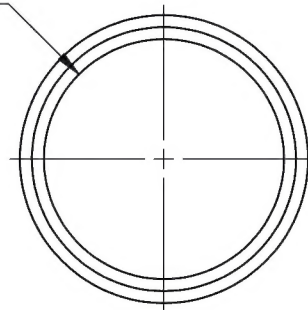
 RED BARN MACHINE	
TITLE AFT AIR TRANSPORT SHORING JACK	
DWG NO. RBT18403-9	REV A
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON: DECIMALS .XXX ± .005 .XX ± .01 .X ± .1 FRACTIONS ± 1/32 ANGLES ± 5°	DRAWN BY: GILBERT APPROVED <i>D Weil</i> HEAT TREAT FINISH SPEC
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	USED ON MODEL FIRE SCOUT MQ-8B
SCALE 1:4	DATE 1/17/2011
SHEET 6 OF 23	

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REVISIONS			
REV	DESCRIPTION	DATE	INITIAL
			APPROVED



($\varnothing 2.50$)
FINISH
BORE AT
ASSY



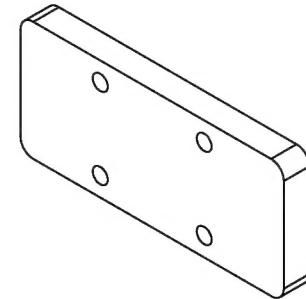
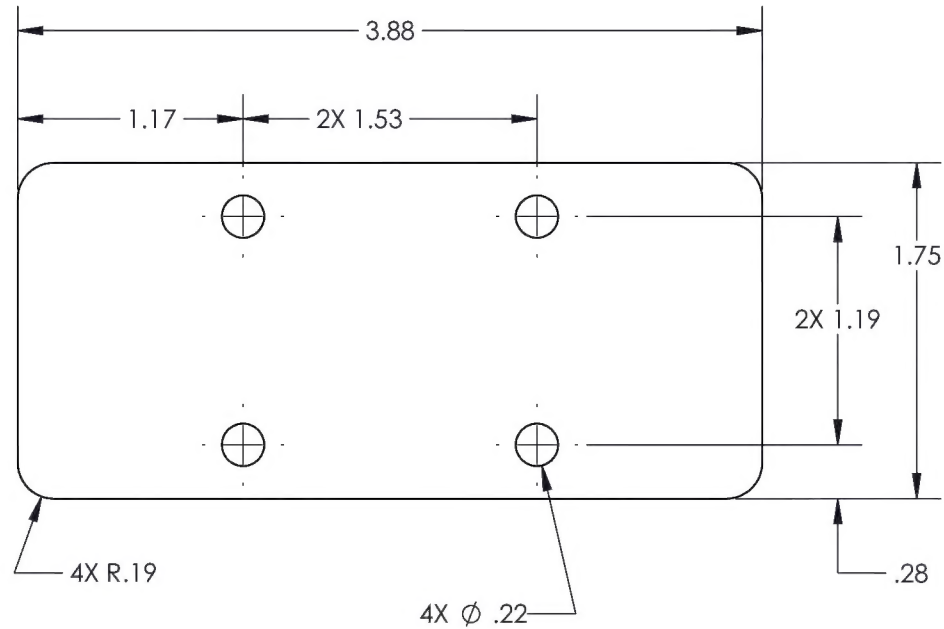
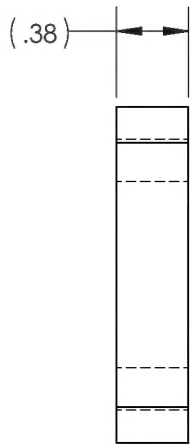
(-11)

BASE

 RED BARN MACHINE	
TITLE AFT AIR TRANSPORT SHORING JACK	
DWG NO. RBT18403-11	REV A
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON: DECIMALS .XXX $\pm .005$.XX $\pm .01$.X $\pm .1$ FRACTIONS $\pm 1/32$ ANGLES $\pm 5^\circ$	DRAWN BY: GILBERT APPROVED: <i>D Weil</i> HEAT TREAT FINISH SPEC
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	USED ON MODEL FIRE SCOUT MQ-8B
SCALE 1:4	DATE 1/17/2011
SHEET 7 OF 23	


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REV	DESCRIPTION	DATE	INITIAL
			APPROVED



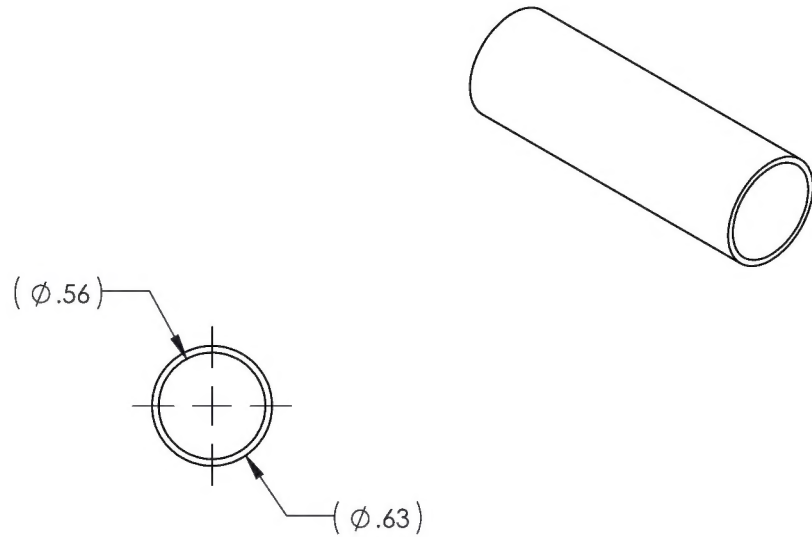
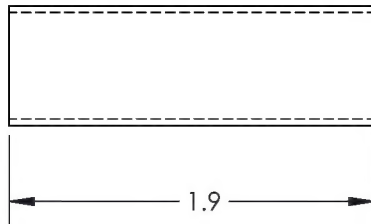
(-13)

HANDLE PLATE

 RED BARN MACHINE	
TITLE AFT AIR TRANSPORT SHORING JACK	
DWG NO. RBT18403-13	REV A
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON: DECIMALS .XXX ± .005 .XX ± .01 .X ± .1 FRACTIONS ± 1/32 ANGLES ± 5°	DRAWN BY: GILBERT APPROVED: <i>D Weil</i> HEAT TREAT FINISH SPEC
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	USED ON MODEL FIRE SCOUT MQ-8B
SCALE 1:1	DATE 1/17/2011
SHEET 8 OF 23	


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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED



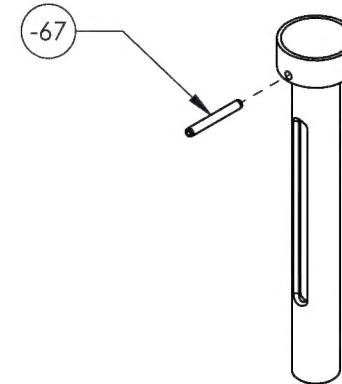
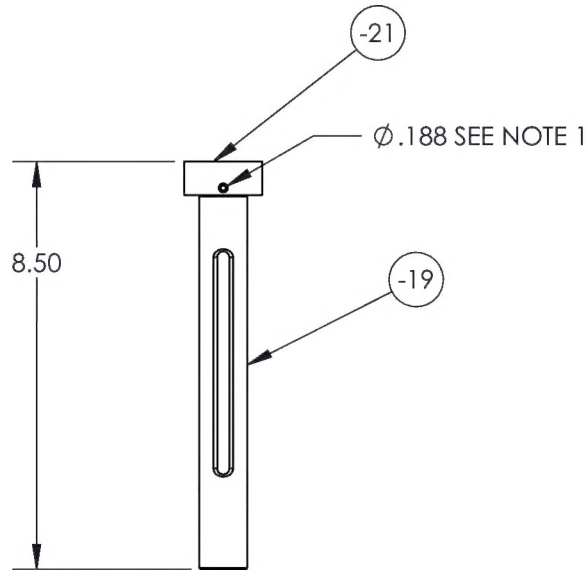
(-15)

BALL LOCK RECIEVER

 RED BARN MACHINE	
TITLE AFT AIR TRANSPORT SHORING JACK	
DWG NO. RBT18403-15	REV A
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON: DECIMALS .XXX ± .005 .XX ± .01 .X ± .1 FRACTIONS ± 1/32 ANGLES ± 5°	DRAWN BY: GILBERT APPROVED <i>D Weil</i> HEAT TREAT FINISH SPEC
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	USED ON MODEL FIRE SCOUJT MQ-8B
SCALE 1:4	DATE 1/17/2011
SHEET 9 OF 23	

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REVISIONS			
REV	DESCRIPTION	DATE	INITIAL
			APPROVED



- NOTES:
1. PRESS FIT -21 ONTO -19, THEN DRILL HOLE. ORIENTATION NOT CRITICAL
 2. INSTALL SPRING PIN BELOW SURFACE.

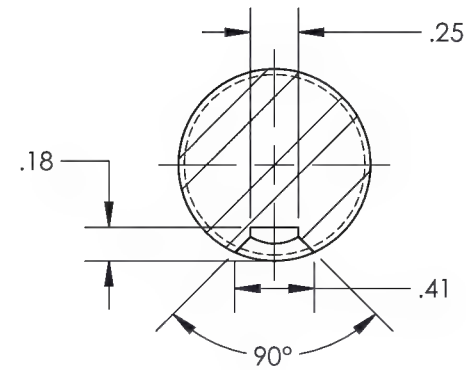
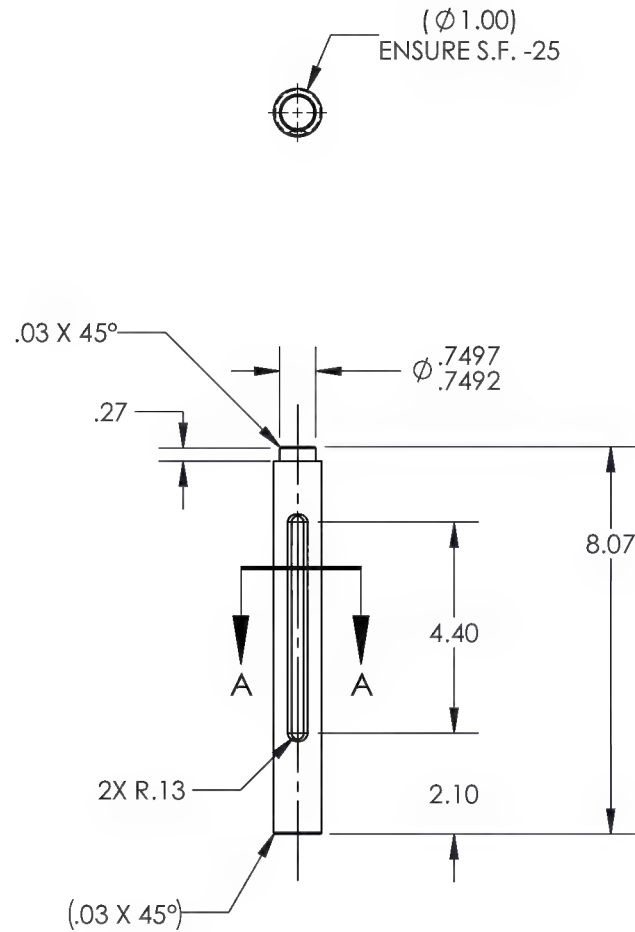


-17
POST ASSY

 RED BARN MACHINE	
TITLE AFT AIR TRANSPORT SHORING JACK	
DWG NO. RBT18403-17	REV A
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON: DECIMALS .XXX ± .005 .XX ± .01 .X ± .1 FRACTIONS ± 1/32 ANGLES ± 5°	DRAWN BY: GILBERT APPROVED <i>D Weil</i> HEAT TREAT FINISH SPEC
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	USED ON MODEL FIRE SCOUT MQ-8B
SCALE 1:4	DATE 1/17/2011
SHEET 10 OF 23	

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REVISIONS			
REV	DESCRIPTION	DATE	INITIAL
			APPROVED



SECTION A-A
SCALE 1 : 1



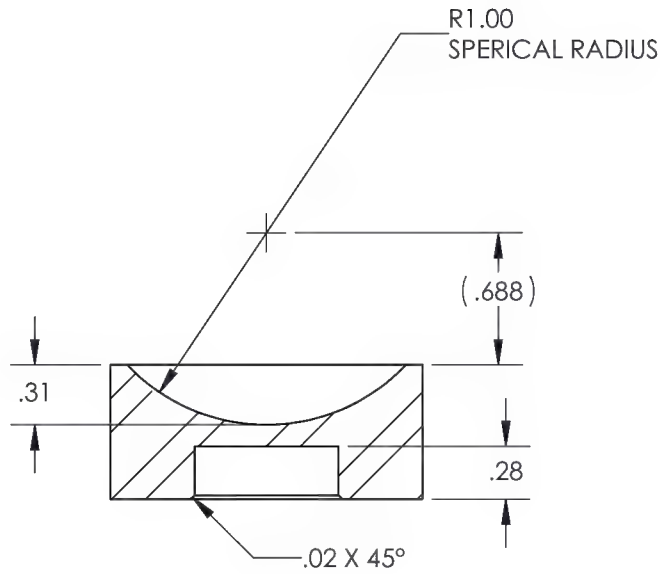
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POST MOD

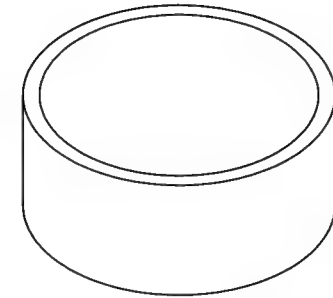
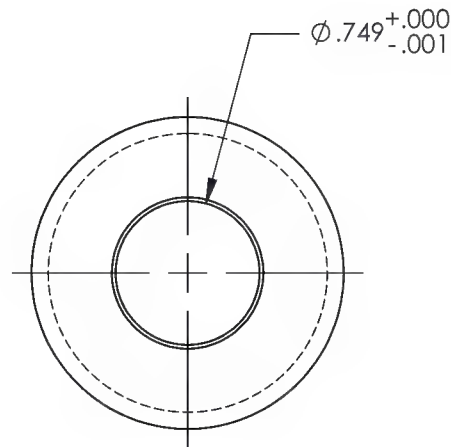
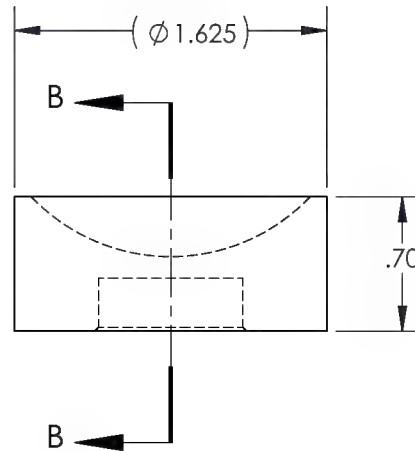
RED BARN MACHINE	
TITLE AFT AIR TRANSPORT SHORING JACK	
DWG NO. RBT18403-19	REV A
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON: DECIMALS .XXX ± .005 .XX ± .01 .X ± .1 FRACTIONS ± 1/32 ANGLES ± 5°	DRAWN BY: GILBERT APPROVED <i>D Weil</i> HEAT TREAT FINISH SPEC
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	USED ON MODEL FIRE SCOUT MQ-8B
SCALE 1:4	DATE 1/17/2011
SHEET 11 OF 23	

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REV	DESCRIPTION	DATE	INITIAL
			APPROVED



SECTION B-B
SCALE 1 : 1



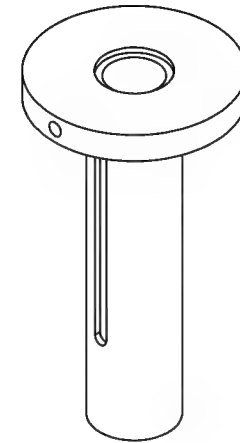
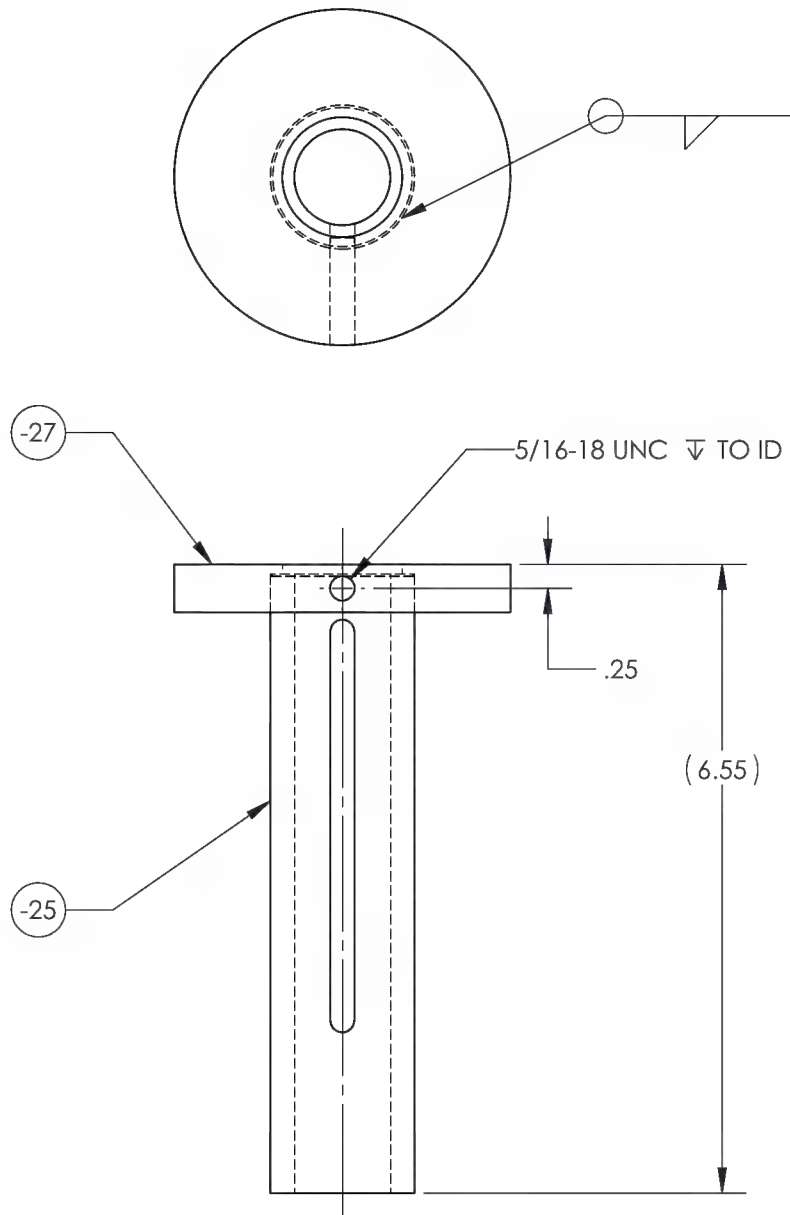
(-21)

ADAPTER CUP

 RED BARN MACHINE	
TITLE AFT AIR TRANSPORT SHORING JACK	
DWG NO. RBT18403-21	REV A
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON: DECIMALS .XXX ± .005 .XX ± .01 .X ± .1 FRACTIONS ± 1/32 ANGLES ± 5°	DRAWN BY: GILBERT APPROVED <i>D Weil</i> HEAT TREAT FINISH SPEC
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	USED ON MODEL FIRE SCOUT MQ-8B
SCALE 1:4	DATE 1/17/2011
SHEET 12 OF 23	

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REVISIONS			
REV	DESCRIPTION	DATE	INITIAL
0			



-23

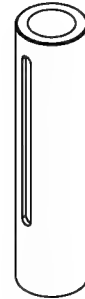
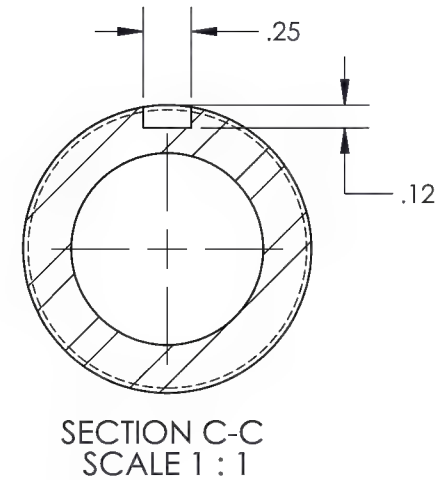
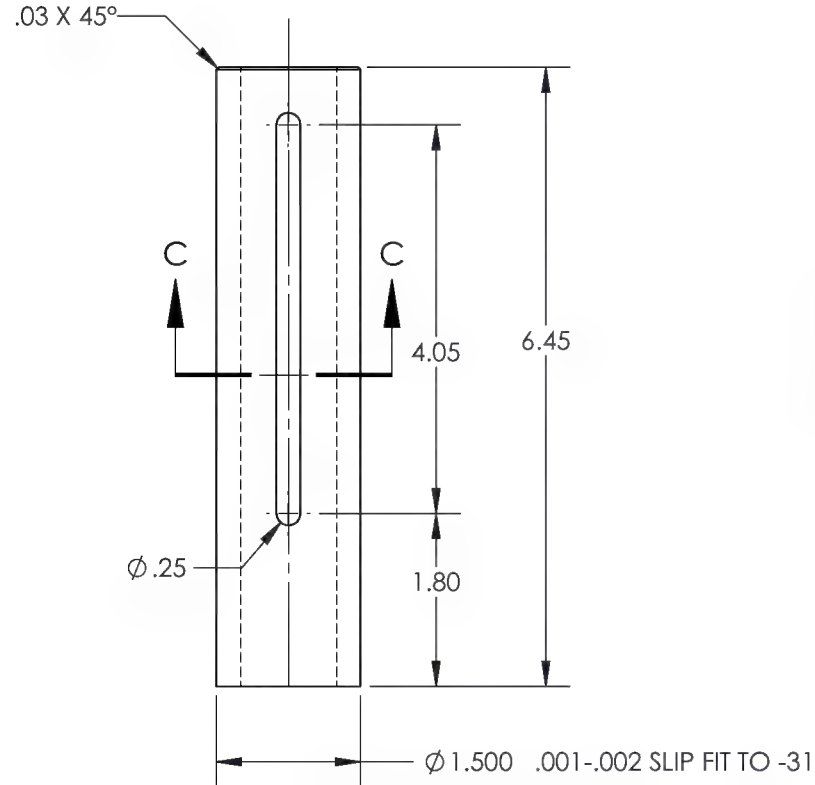
INSERT 1 WELDMENT

NOTE:
DRILL AND TAP HOLE AFTER WELDING,
ALIGNING TO SLOT AS SHOWN

 RED BARN MACHINE	
TITLE AFT AIR TRANSPORT SHORING JACK	
DWG NO. RBT18403-23	REV A
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON: DECIMALS .XXX ± .005 .XX ± .01 .X ± .1 FRACTIONS ± 1/32 ANGLES ± 5°	DRAWN BY: GILBERT APPROVED: <i>D Weil</i> HEAT TREAT: FINISH: BLACK ZINC SPEC: USED ON MODEL: FIRE SCOUT MQ-8B
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
SCALE 1:2	DATE 1/17/2011
SHEET 13 OF 23	

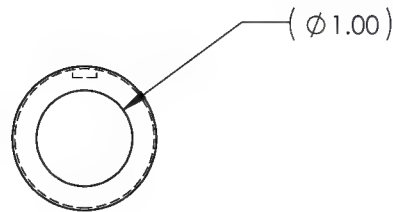
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REVISIONS			
REV	DESCRIPTION	DATE	INITIAL
			APPROVED



(-25)

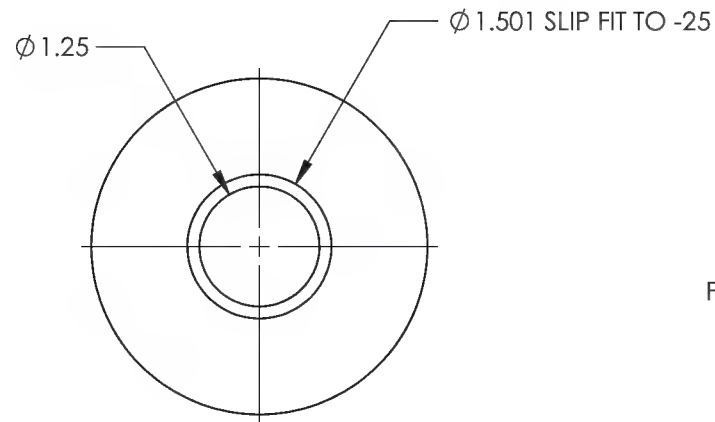
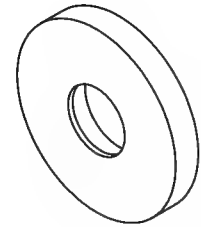
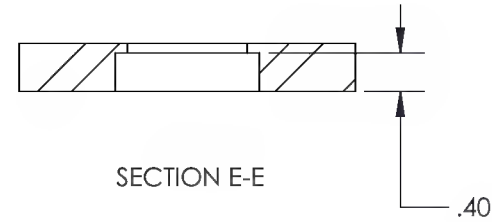
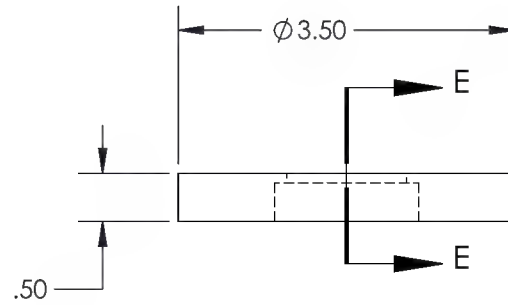
INSERT 1




 RED BARN MACHINE	
TITLE AFT AIR TRANSPORT SHORING JACK	
DWG NO. RBT18403-25	REV A
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON: DECIMALS .XXX $\pm .005$.XX $\pm .01$.X $\pm .1$	DRAWN BY: GILBERT APPROVED <i>D Weil</i> HEAT TREAT FINISH SPEC
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	USED ON MODEL FIRE SCOUT MQ-8B
SCALE 1:2	DATE 1/17/2011
SHEET 14 OF 23	

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REV	DESCRIPTION	DATE	INITIAL	APPROVED

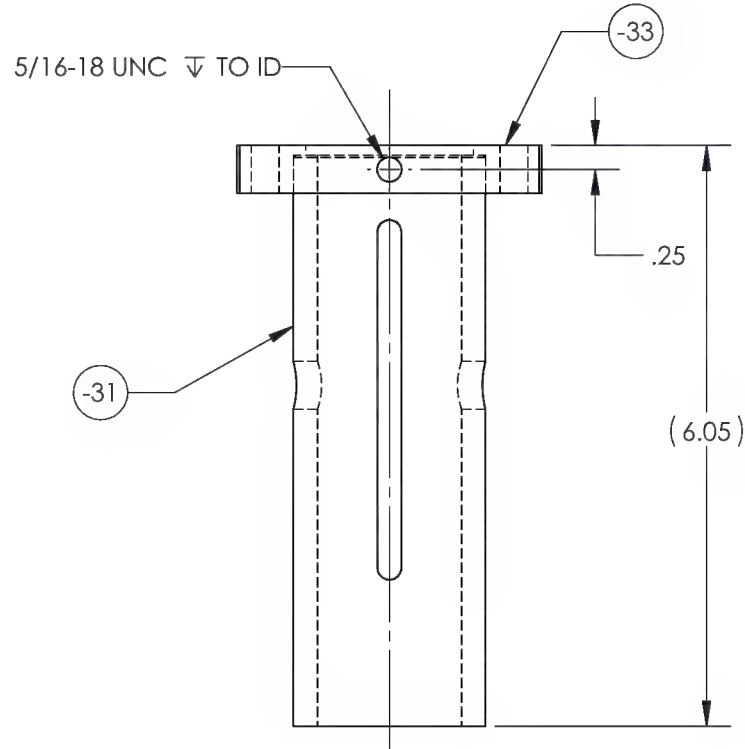
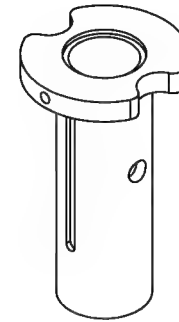
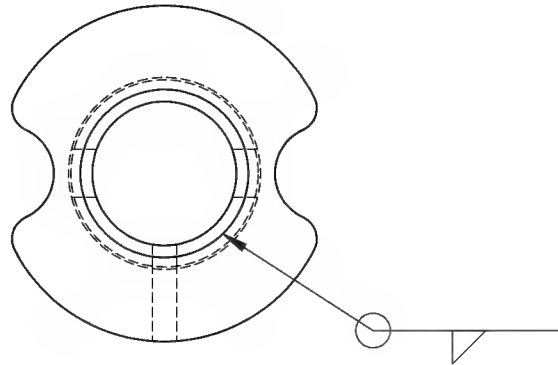


(-27)
FLANGE 1

 RED BARN MACHINE	
TITLE AFT AIR TRANSPORT SHORING JACK	
DWG NO. RBT18403-27	REV A
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON: DECIMALS .XXX ± .005 .XX ± .01 .X ± .1 FRACTIONS ± 1/32 ANGLES ± 5°	DRAWN BY: GILBERT APPROVED: <i>D Weil</i> HEAT TREAT: FINISH: SPEC:
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	USED ON MODEL FIRE SCOUT MQ-8B
SCALE 1:2	DATE 1/17/2011
SHEET 15 OF 23	

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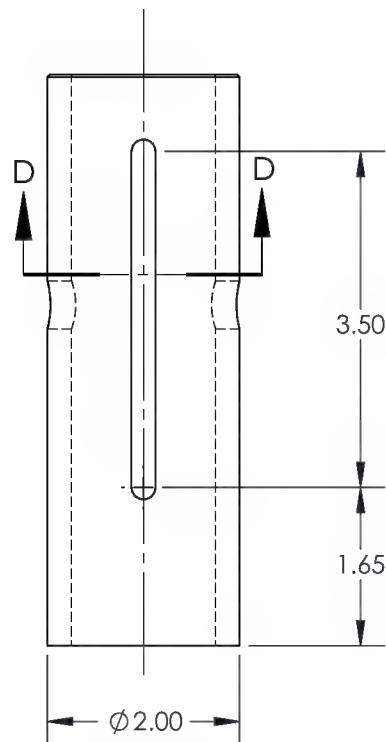
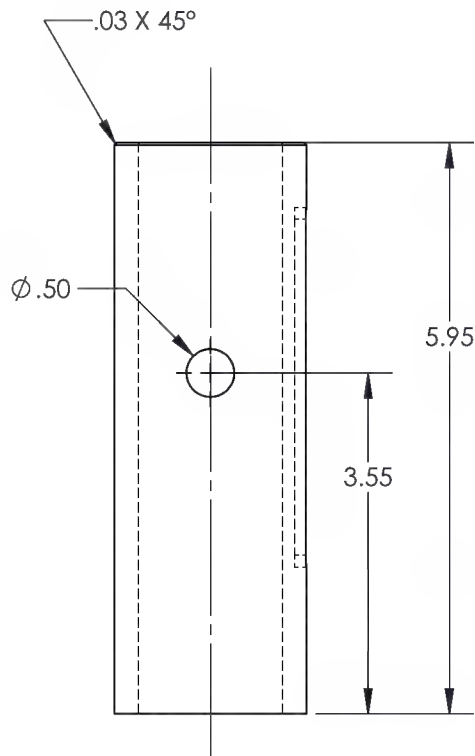
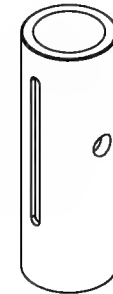
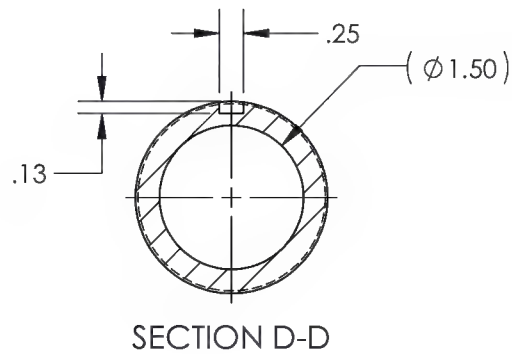
INSERT 2 WELDMENT

NOTE:
DRILL AND TAP HOLE AFTER WELDING,
ALIGNING TO SLOT AS SHOWN.

 RED BARN MACHINE	
TITLE AFT AIR TRANSPORT SHORING JACK	
DWG NO. RBT18403-29	REV A
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON: DECIMALS .XXX ± .005 .XX ± .01 .X ± .1 FRACTIONS ± 1/32 ANGLES ± 5°	DRAWN BY: GILBERT APPROVED <i>D Weil</i> HEAT TREAT FINISH BLACK ZINC SPEC USED ON MODEL FIRE SCOUT MQ-8B
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
SCALE 1:2	DATE 1/17/2011
SHEET 16 OF 23	


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REV	DESCRIPTION	DATE	INITIAL
			APPROVED



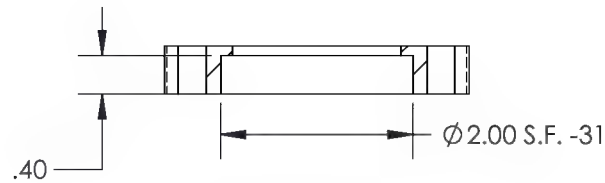
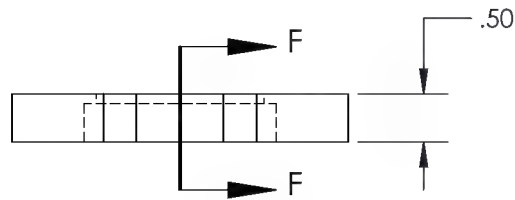
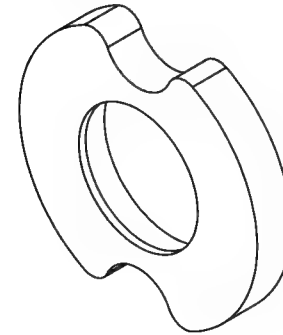
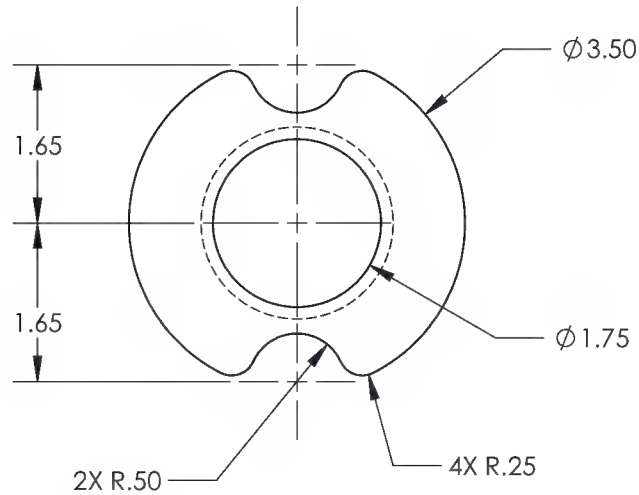
(-31)

INSERT 2

 RED BARN MACHINE	
TITLE AFT AIR TRANSPORT SHORING JACK	
DWG NO. RBT18403-31	REV A
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON: DECIMALS .XXX ± .005 .XX ± .01 .X ± .1 FRACTIONS ± 1/32 ANGLES ± 5°	DRAWN BY: GILBERT APPROVED: <i>D Weil</i> HEAT TREAT: FINISH: SPEC:
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	USED ON MODEL FIRE SCOUT MQ-8B
SCALE 1:2	DATE 1/17/2011
SHEET 17 OF 23	

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REV	DESCRIPTION	DATE	INITIAL
			APPROVED



SECTION F-F

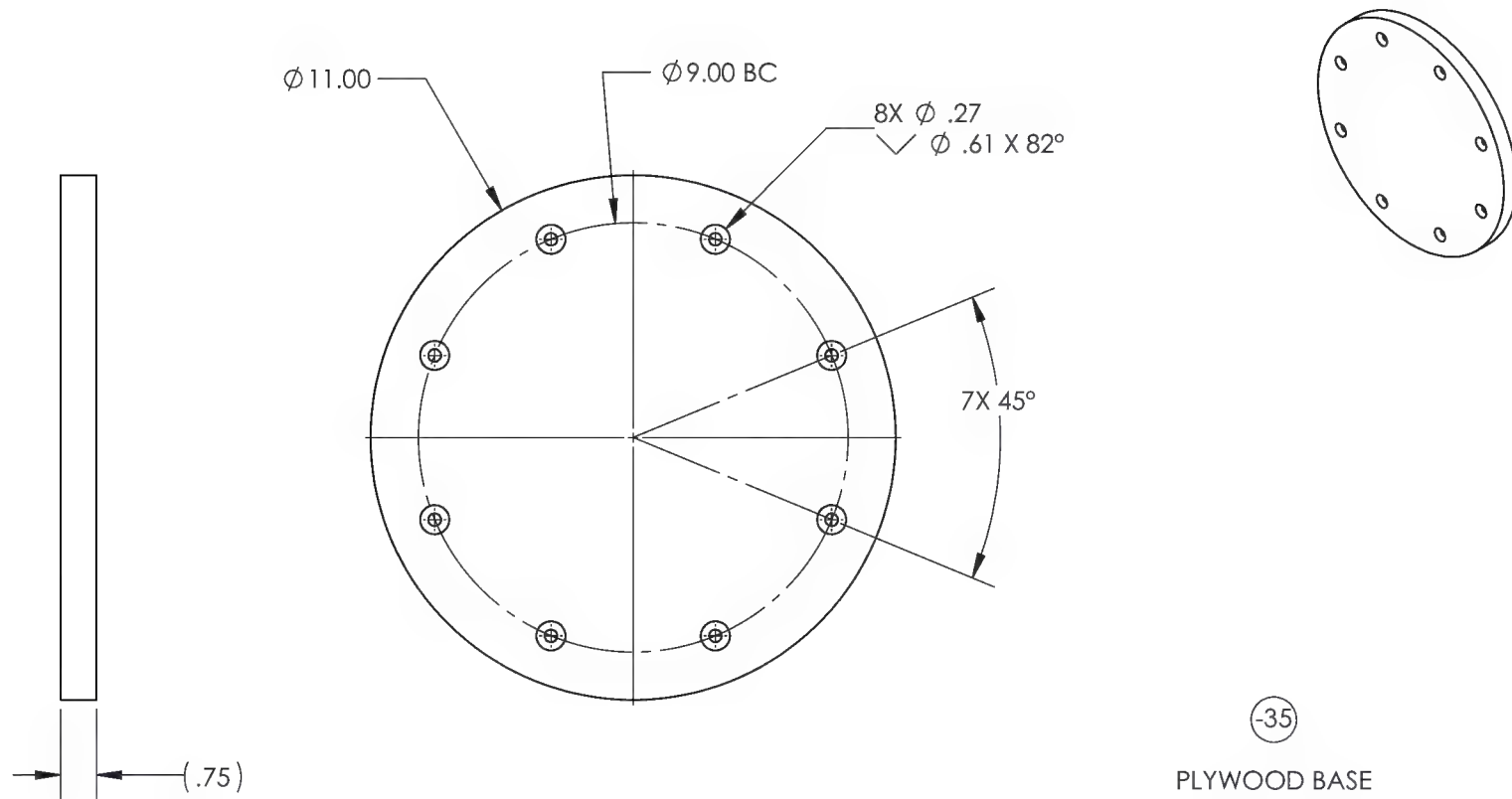
(-33)


FLANGE 2

 RED BARN MACHINE	
TITLE AFT AIR TRANSPORT SHORING JACK	
DWG NO. RBT18403-33	REV A
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON: DECIMALS .XXX $\pm .005$.XX $\pm .01$.X $\pm .1$ FRACTIONS $\pm 1/32$ ANGLES $\pm 5^\circ$	DRAWN BY: GILBERT APPROVED <i>D Weil</i> HEAT TREAT FINISH SPEC
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	USED ON MODEL FIRE SCOUT MQ-8B
SCALE 1:2	DATE 1/17/2011
SHEET 18 OF 23	

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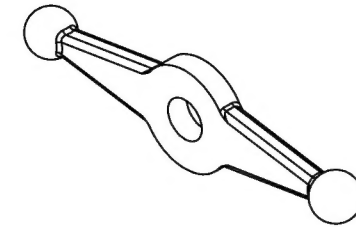
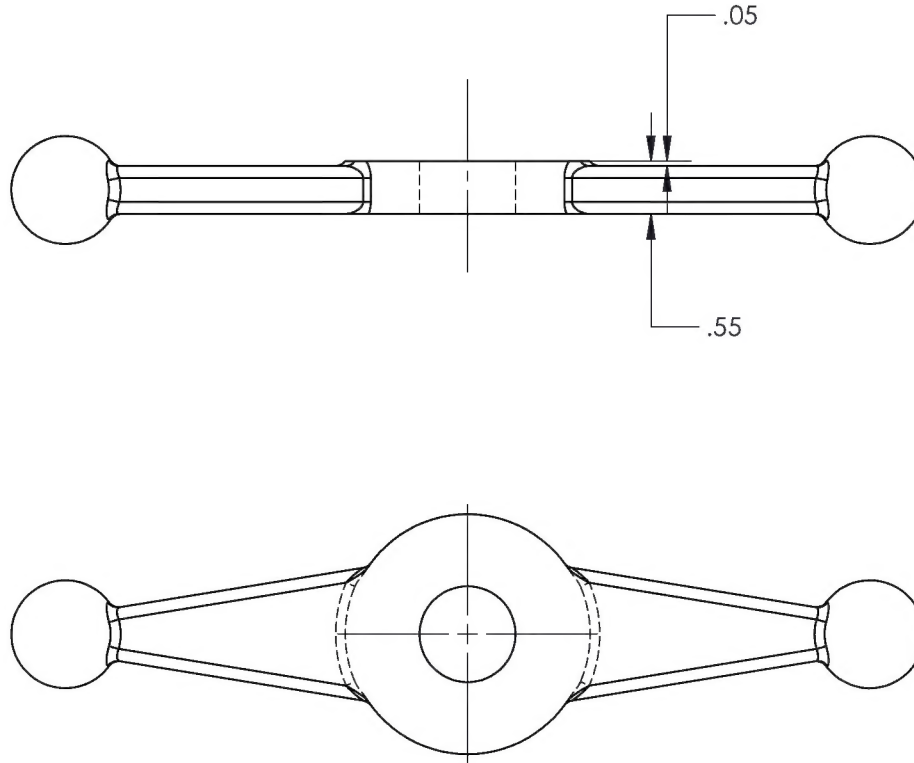
REVISIONS			
REV	DESCRIPTION	DATE	INITIAL
			APPROVED



 RED BARN MACHINE	
TITLE AFT AIR TRANSPORT SHORING JACK	
DWG NO. RBT18403-35	REV A
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON: DECIMALS .XXX ± .005 .XX ± .01 .X ± .1 FRACTIONS ± 1/32 ANGLES ± 5°	DRAWN BY: GILBERT APPROVED: <i>D Weil</i> HEAT TREAT FINISH: SPEC:
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	USED ON MODEL: FIRE SCOUT MQ-8B
SCALE 1:4	DATE 1/17/2011
SHEET 19 OF 23	


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REVISIONS			
REV	DESCRIPTION	DATE	INITIAL
			APPROVED



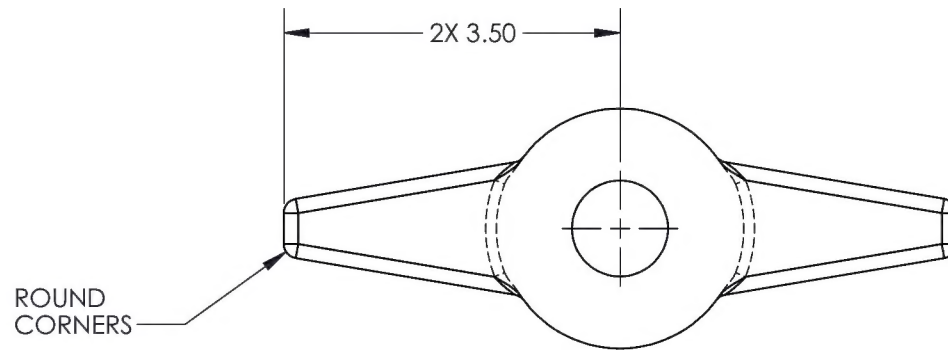
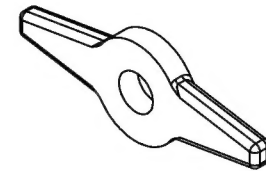
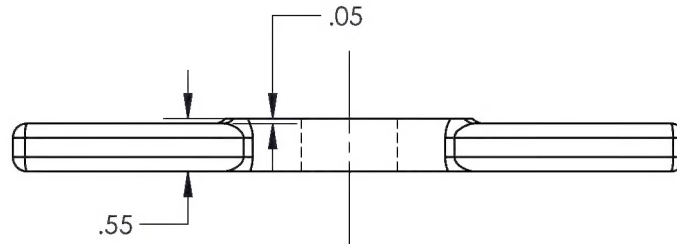
-37

JACK HANDLE MOD

 RED BARN MACHINE	
TITLE AFT AIR TRANSPORT SHORING JACK	
DWG NO. RBT18403-37	REV A
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON: DECIMALS .XXX ± .005 .XX ± .01 .X ± .1 FRACTIONS ± 1/32 ANGLES ± 5°	DRAWN BY: GILBERT APPROVED <i>D Weil</i> HEAT TREAT FINISH SPEC
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	USED ON MODEL FIRE SCOUT MQ-8B
SCALE 1:2	DATE 1/17/2011
SHEET 20 OF 23	

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REVISIONS			
REV	DESCRIPTION	DATE	INITIAL
			APPROVED



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LOCKING HANDLE MOD

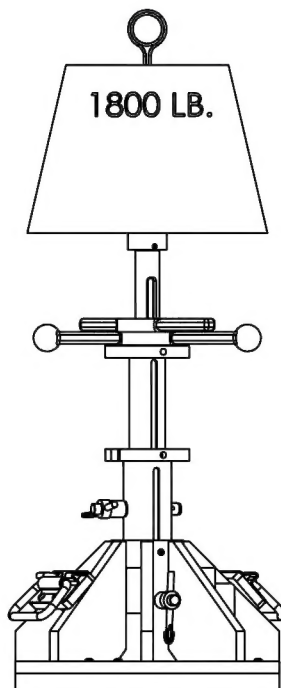
NOTE:
REMOVE BALL ENDS, RADIUS
AND BLEND ENDS.

 RED BARN MACHINE	
TITLE AFT AIR TRANSPORT SHORING JACK	
DWG NO. RBT18403-39	REV A
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON: DECIMALS .XXX ± .005 .XX ± .01 .X ± .1 FRACTIONS ± 1/32 ANGLES ± 5°	DRAWN BY: GILBERT APPROVED <i>D Weil</i> HEAT TREAT FINISH SPEC
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	USED ON MODEL FIRE SCOUT MQ-8B
SCALE 1:2	DATE 1/17/2011
SHEET 21 OF 23	

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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
A	SHT 22, CHANGED WEIGHT FROM 3500 TO 1800	2/24/2011	JAG	

RED BARN MACHINE
190 S. DANEBO AVE., EUGENE OR. 97402
(541)344-9953; fax (541)344-3863
e-mail; sales@redbarn.net



INSPECTION & TESTING PROCEDURES FOR THE RBT18403 JACK ASSEMBLY. THIS ASSEMBLY IS DESIGNED TO SUPPORT FIRE SCOUT DURING TRANSPORT. THIS ASSEMBLY SHOULD BE INSPECTED BEFORE EACH USE. REPLACE ANY ITEMS THAT ARE DAMAGED OR SUSPECTED OF DAMAGE BEFORE USING!


91 DAY INSPECTIONS

1. CLEAN ENTIRE UNIT AND REMOVE CORROSION
2. CHECK ENTIRE UNIT FOR STRESS CRACKS, BENDING, OR DISTORTIONS.
3. CHECK WELDS FOR ANY CRACKS OR DISTORTIONS.
4. CHECK THREADS FOR DAMAGE, STRESS CRACKS STRETCHING, OR DISTORTIONS.
5. REPAINT IF NECESSARY.

IF ANY OF THE ABOVE CONDITIONS EXIST, OR ARE SUSPECTED OF EXISTING. DO NOT USE THE TOOL UNTIL IT HAS BEEN REPAIRED AND TEST OR REPLACED.

3 YEAR WEIGHT TESTING

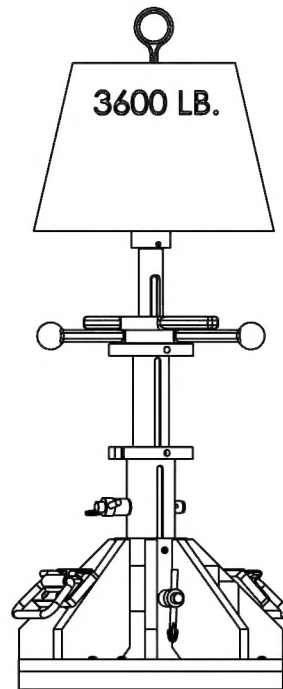
1. AFTER INSPECTION, TURN JACK HANDLE A MINIMUM 1 FULL ROTATION TO ENSURE THREAD ENGAGEMENT. EXTEND BOTH INSERTS AND LOCK IN PLACE WITH PINS. PLACE 1800LBS ON JACK, LEAVE WEIGHT FOR AT LEAST 5 MINUTES, CAREFULLY OBSERVE FOR DISTORTION OR DEFLECTION.
2. REMOVE WEIGHT AND RE-INSPECT JACK, CHECKING FOR STRESS CRACKS, BENDING, OR DISTORTIONS.

 RED BARN MACHINE	
TITLE AFT AIR TRANSPORT SHORING JACK	
DWG NO. RBT18403	REV A
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON: DECIMALS .XXX ± .005 .XX ± .01 .X ± .1 FRACTIONS ± 1/32 ANGLES ± 5°	
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
DRAWN BY: GILBERT APPROVED: <i>D Weil</i> USED ON MODEL FIRE SCOUT MQ-8B	
CUSTOMER SHEET 1 OF 1	
SCALE 1:2	DATE 1/17/2011
SHEET 22 OF 23	

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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
A	ADDED 1st ARTICLE SHEET	2/24/2011	JAG	

FIRST ARTICLE WEIGHT TEST



RED BARN MACHINE
190 S. DANEBO AVE., EUGENE OR. 97402
(541)344-9953; fax (541)344-3863
e-mail; sales@redbarn.net

INSPECTION & TESTING PROCEDURES FOR THE RBT18403 JACK ASSEMBLY. THIS ASSEMBLY IS DESIGNED TO SUPPORT FIRE SCOUT DURING TRANSPORT. THIS ASSEMBLY SHOULD BE INSPECTED BEFORE EACH USE.
REPLACE ANY ITEMS THAT ARE DAMAGED OR SUSPECTED OF DAMAGE BEFORE USING!

FIRST ARTICLE WEIGHT TEST

1. AFTER INSPECTION, TURN JACK HANDLE A MINIMUM 1 FULL ROTATION TO ENSURE THREAD ENGAGEMENT. EXTEND BOTH INSERTS AND LOCK IN PLACE WITH PINS. PLACE 1800LBS ON JACK, LEAVE WEIGHT FOR AT LEAST 5 MINUTES, CAREFULLY OBSERVE FOR DISTORTION OR DEFLECTION.
2. REMOVE WEIGHT AND RE-INSPECT JACK, CHECKING FOR STRESS CRACKS, BENDING, OR DISTORTIONS.

INSPECTOR_____

TESTER_____

S.N._____

DATE_____

 RED BARN MACHINE	
TITLE AFT AIR TRANSPORT SHORING JACK	
DWG NO. RBT18403	REV A